



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 110<sup>th</sup> Ave NE., P.O. BOX 90012  
BELLEVUE, WA 98009-9012

### **OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS**

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 19-107490-GJ

Project Name/Address: J and J Gateway Tree Removal 11711 SE 8th St

Planner: David Wong

Phone Number: 425-452-4282

**Minimum Comment Period:** 4/25/19

Materials included in this Notice:

- ☒ Blue Bulletin
- ☒ Checklist
- ☒ Vicinity Map
- ☒ ☐ ☐ ☐ Plans
- ☐ ☐ ☐ Other:

#### **OTHERS TO RECEIVE THIS DOCUMENT:**

- ☒ State Department of Fish and Wildlife / [Sterwart.Reinbold@dfw.gov](mailto:Sterwart.Reinbold@dfw.gov); [Christa.Heller@dfw.wa.gov](mailto:Christa.Heller@dfw.wa.gov);
- ☒ State Department of Ecology, Shoreline Planner N.W. Region / [Jobu461@ecy.wa.gov](mailto:Jobu461@ecy.wa.gov); [sepaunit@ecy.wa.gov](mailto:sepaunit@ecy.wa.gov)
- ☒ Army Corps of Engineers [Susan.M.Powell@nws02.usace.army.mil](mailto:Susan.M.Powell@nws02.usace.army.mil)
- ☒ Attorney General [ecyolyef@atg.wa.gov](mailto:ecyolyef@atg.wa.gov)
- ☒ Muckleshoot Indian Tribe [Karen.Walter@muckleshoot.nsn.us](mailto:Karen.Walter@muckleshoot.nsn.us); [Fisheries.fileroom@muckleshoot.nsn.us](mailto:Fisheries.fileroom@muckleshoot.nsn.us)



# Hazardous Tree Declaration

This form is required for the removal of hazardous trees within:

- Critical or Protected Areas as defined by Bellevue Land Use Code (LUC 20.25H), including stream corridors, wetlands, steep slopes and floodplains.
- A Native Growth Protection Area (NGPA) or Native Growth Protection Easement (NGPE).
- A Retained Vegetation Area (RVA) (Including Significant Trees required to be retained on non-residential sites).

All the statements below must be checked and attested to by an International Society of Arboriculture Certified Arborist prior to the removal of any tree(s) in the areas listed above.

- ☒ The tree(s) proposed for removal have been certified as hazardous.
- ☒ The potential target(s) cannot be moved.
- ☒ Pruning, partial removal of parts of the tree(s) or other risk mitigation measures will not alleviate the hazard or are not feasible.

(Explain what measures were considered and why they were not feasible.)

the only action would be cabling, is would only be a bandaide and not solve the issue.

- ☒ A copy of a completed International Society of Arboriculture Tree Hazard Evaluation Form or an equivalent tree risk assessment must be included with this form. One tree hazard evaluation or assessment must be completed per tree.

## Arborist Contact Information

Name Ralph Dobson Arborist Certification # PNW6357 A PN 6357-A

Company Monarch Tree Service Phone 206-300-6211

Signature of Arborist 

**Please Note:** If the City of Bellevue does not agree with the Tree Hazard Evaluation provided by your Certified Arborist, the City of Bellevue may contract with a third-party consulting arborist to evaluate the relative risk of the tree(s). The applicant may be responsible for the cost of the third-party evaluation.

**Received**



DEVELOPMENT SERVICES DEPARTMENT  
450 110<sup>TH</sup> AVENUE NE  
BELLEVUE, WA 98009-9012

## **SEPA Environmental Checklist**

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit the Land Use Desk in the Permit Center between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4) or call or email the Land Use Division at 425-452-4188 or [landusereview@bellevuewa.gov](mailto:landusereview@bellevuewa.gov). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

### ***Purpose of checklist:***

The City of Bellevue uses this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

### ***Instructions for applicants:***

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies and reports. Please make complete and accurate answers to these questions to the best of your ability in order to avoid delays.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

**PLEASE REMEMBER TO SIGN THE CHECKLIST.** Electronic signatures are also acceptable.

Received

MAR 12 2019

Permit Processing

## A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)  
*J&J Gateway*
2. Name of applicant: [\[help\]](#)  
*Lake Washington Partners*
3. Address and phone number of applicant and contact person: [\[help\]](#)  
*13317 28<sup>th</sup> Ave Ne Lake Stevens Wa, Ralph Dobson (206) 300-6211*
4. Date checklist prepared: [\[help\]](#)  
*March 5, 2019*
5. Agency requesting checklist: [\[help\]](#)  
*Bellevue Arborist*
6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)  
*ASAP trees are failing and a danger to property and life*
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)  
*No*
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)  
*None*
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [\[help\]](#)  
*I do not know*
10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)  
*none*
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)  
*Removing 8 hazard alders to prevent property or life damage*
12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)  
*11711 SE 8th St Bellevue, WA 98005*

## B. Environmental Elements [\[help\]](#)

### 1. Earth [\[help\]](#)

- a. General description of the site: [\[help\]](#) (select one): ☒ Flat, ☐ rolling, ☐ hilly, ☐ steep slopes, ☐ mountainous, other: *Click here to enter text.*
- b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)  
*None*
- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)  
*Clay, muck* **Seattle muck (Sk) & Urban land (UR)**
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)  
*None*
- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)  
*None*
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)  
*No*
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)  
*Nothing new*
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)  
*Wildlife snag trees so roots will stay in place will the hazard is mitigated* **Erosion Control regulated by BCC 23.76**

### 2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)  
*We would use chainsaws chipper and bucket truck*
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)  
*None*
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)  
*Using equipment when needed*

### 3. Water [\[help\]](#)

#### a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)  
*YES, Mercer Slough, Lake Washington*
- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [\[help\]](#)  
*Creating Wildlife snags of 8 Alders*
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [\[help\]](#)  
*0*
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)  
*No*
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)  
*Yes*
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [\[help\]](#)  
*Yes, maybe saw dust from cutting of Alders*

#### b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)  
*No*
- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)  
*None*

#### c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)  
*Streets no quantity*

2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)  
*no*

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)  
*none*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)  
*Click here to enter text.*

#### 4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)  
☒deciduous tree: alder, maple, aspen, other: *Alders*  
☐evergreen tree: fir, cedar, pine, other: *Click here to enter text.*  
☐shrubs  
☒grass  
☐pasture  
☐crop or grain  
☐Orchards, vineyards or other permanent crops.  
☒wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other: *Click here to enter text.*  
☐water plants: water lily, eelgrass, milfoil, other: *Click here to enter text.*  
☒other types of vegetation: *Click here to enter text.*

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)  
• *Trees will be topped*

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)  
*None*

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)  
*None*

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)  
*Not known*

#### 5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

birds: ☒hawk, ☐heron, ☐eagle, ☐songbirds, other: *Click here to enter text.*  
mammals: ☐deer, ☐bear, ☐elk, ☒beaver, other: *Click here to enter text.*



fish: ☐bass, ☒salmon, ☒trout, ☐herring, ☐shellfish, other: *Click here to enter text.* **Peamouth minnows**

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

*None*

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)

*No* **Yes, Peamouth Minnows, Coho, Sockeye, Chinook, and Cutthroat trout**

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

*By creating Wildlife snag, it will create food, shelter for multiple wildlife species*

- e. List any invasive animal species known to be on or near the site. [\[help\]](#)

**No**

## 6. Energy and Natural Resources [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)

*None*

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

*No*

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: [\[help\]](#)

*None*

## 7. Environmental Health [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [\[help\]](#)

*None*

- 1) Describe any known or possible contamination at the site from present or past uses. [\[help\]](#)

*None*

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

*None*

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)



None

- 4) Describe special emergency services that might be required. [\[help\]](#)

EMT

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

None

b. Noise [\[help\]](#)

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)

Wel will be operating for 4 hours max

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)?  
Indicate what hours noise would come from the site. [\[help\]](#)

Sort term chainsaw boon truck

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

D not run the equipment if not nessary Noise regulated by BCC 9.18

8. Land and Shoreline Use [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

No Commercial Office

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

No

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

No

- c. Describe any structures on the site. [\[help\]](#)

No

- d. Will any structures be demolished? If so, what? [\[help\]](#)

no

- e. What is the current zoning classification of the site? [\[help\]](#)

Commerical Office Limited Business (OLB)

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Commerical Office (O) & Office Limited Business (OLB) - Parcel is split between two Comprehensive Plan designations

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)  
*None present on jobsite* Urban Conservancy & Urban Conservancy Open Space
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)  
*Yes, next to a waterway* Yes, Kelsey Creek, Sturtevant Creek, Mercer Slough, and associated floodplain.
- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)  
~~3~~ No change to commercial occupancy proposed in this application.
- j. Approximately how many people would the completed project displace? [\[help\]](#)  
*0*
- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)  
*none*
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)  
*Yes* No change proposed from existing used
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)  
*None*

## 9. Housing [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)  
*None*
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)  
*none*
- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)  
*none*

## 10. Aesthetics [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)  
*none*
- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)  
*no*
- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)  
*none*

## 11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

*None*

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

*None*

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

*None*

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

*None*

## 12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

*None*

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

*none*

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

*None*

## 13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. [\[help\]](#)

*None newer buildings*

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

*none*

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

[\[help\]](#)

*Google*

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and

disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)

*Click here to enter text.*

#### 14. Transportation [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)  
*118<sup>th</sup> Ave Ne and SE 8<sup>th</sup> St*
- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)  
*100yards*
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)  
*None*
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)  
*No*
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)  
*No*
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)  
*1 trip*
- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)  
*No*
- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)  
*None*

#### 15. Public Services [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)  
*No*
- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)  
*No*

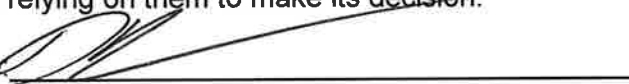
#### 16. Utilities [\[help\]](#)

- a. Circle utilities currently available at the site: [\[help\]](#)  
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,  
other  
*electricity water, telephone,*
- c. Describe the utilities that are proposed for the project, the utility providing the service,  
and the general construction activities on the site or in the immediate vicinity which might  
be needed. [\[help\]](#)  
*No*

### C. Signature [\[help\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead  
agency is relying on them to make its decision.

Signature



Name of signee: *Ralph Dobson*  
Position and Agency/Organization: *Project Manager Mowich Tree Service*  
Date Submitted: *6 Mar 2018*

# Assessment

**LOCATION: 11711 SE 8th St Bellevue, WA 98005**

**Tree Assessment performed: Wednesday January 30th @ 8:00AM**

**Weather: Sunny, 39 degrees F**

**Level 2 Assessment w/DBH & Mallet and Loop**

Tree No.	Species	DBH (in)	Condition	Hazard Rating
1	<i>Alnus rubra</i> , red alder	10.5"	<b>Condition:</b> The Alder is located in a wet land area; along South West perimeter Alder is reaching its maturity with a lean away from parking lot <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag	11
2	<i>Alnus rubra</i> , red alder	8.9"	<b>Condition:</b> The Alder is located in a wet land area; along South West perimeter Alder is reaching its maturity with a 16° to the North which has a parking lot in drop zone <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag	12
3	<i>Alnus rubra</i> , red alder	7.6"	<b>Condition:</b> The Alder is located in a wet land area, along South West perimeter Alder is reaching its maturity, the tree has not top, and large cracks in the trunk, with a heavy lean to the North and parking lot. <b>Course of Action</b> Cut to a height so tree will not strike property Wildlife snag	11
4	<i>Alnus rubra</i> , red alder	10.5"	<b>Condition:</b> The Alder is located in a wet land area, along South West perimeter Alder is reaching its maturity, the tree has not top, with a heavy lean to the North and parking lot. <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag.	10
5	<i>Alnus rubra</i> , red alder	16.8"	<b>Condition:</b> The Alder is located in a wet land area, along South West perimeter Alder is reaching its maturity, the tree has not top, with a heavy lean 14° to the North and parking lot. <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag	11
6	<i>Alnus rubra</i> , red alder	10.9	<b>Condition:</b> The Alder is located in a wet land area, along South West perimeter Alder is reaching its maturity, the tree has not top, the alder is heavily branched on the north side with a heavy lean 14° to the North and parking lot. <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag	12
7	<i>Alnus rubra</i> , red alder	5.7"	<b>Condition:</b> The Alder is located in a wet land area, along South West perimeter Alder is reaching its maturity, the tree has not top, the alder is heavily branched on the north side with a to the North and parking lot. <b>Course of Action:</b> Cut to a height so tree will not strike property Wildlife snag	11
8	<i>Alnus rubra</i> , red alder	5.7"	<b>Condition:</b> The Alder is located in a wet land area; along South West perimeter Alder is dead standing. <b>Course of Action:</b> Cut to a height so the tree will not strike property Wildlife snag	12

## Hazard Rating System

The following rating system was used to determine the Hazard rating for each tree indicated in this report.

### ***Failure potential (4 points)***

*Failure potential* identifies the most likely failure and rates the likelihood that the structural defect(s) will result in failure within the inspection period. Examples of ratings are;

1---low; defects are minor (e.g. dieback of twigs, small wounds with good woundwood development)

2---medium: defects are present and obvious (e.g. cavity encompassing 10-25% of the circumference of the trunk, codominant stems without included bark)

3---high: numerous and/or significant defects present (e.g. cavity encompassing 30-50% of the circumference of the trunk, Hard leaning or uprooting present multiple pruning wounds with decay along a branch) Extensive dieback present encompassing more than 40% of the canopy.

4---severe: defects are very severe (e.g. heart rot decay conks along the main stem, cavity encompassing more than 50% of the trunk) Trunk ejection

### ***Size of defective part (4 points)***

*Size of defective part* rates the size of the part most likely to fail. The larger the part that fails, the greater the potential for damage. Therefore, the size of the failure affects the hazard potential. Examples are:

1---most likely failure less than 6" (15 cm) in diameter

2---most likely failure 6-18" (15-45 cm) in diameter.

3---most likely failure 18-30" (45-75 cm) in diameter

4--- most likely failure greater than 30 inches (75 cm) in diameter



### ***Target rating (4 points)***

*Target rating* rates the use and occupancy of the area that would be struck by the defective part. Examples are:

1---occasional use:

(e.g. jogging/cycling trail)

2---intermittent use:

(e.g. picnic area, day-use parking)

3---frequent use, secondary structure:

(e.g. seasonal camping area, storage facilities)

4---constant use, structures:

(e.g. year round use for a number of hours each day, residence)

### ***Formula Used:***

$$\text{Hazard Rating} = \text{failure potential} + \text{size of part} + \text{target rating}$$

## **Glossary**

**Branch bark ridge.....**Raised strip of bark at the top of a branch union, where the growth and expansion of the trunk or parent stem and adjoining branch push the bark into a ridge

**Buttress root**.....A large root, visible at the base of the tree trunk, that provides primary support for the tree.

**Compartmentalize**.....Natural defense process in trees by which chemical and physical boundaries are created that act to limit the spread of decay and disease organisms.

**Conk**.....Fruiting body or non fruiting body of a fungus. Often associated with decay.

**Crown**.....The upper portion of a tree, consisting of all the stems, limbs, limbs, and branches extending from the main trunk.

**Decay**.....An area of wood that is undergoing decomposition by fungi or bacteria.

**Epicormic Shoots**.....Suppressed buds beneath the bark which will sprout and grow after improper pruning practices or more than 30% of foliage has been removed from a tree. This is the tree's defense mechanism when pruned back hard and if the shoots are allowed to grow, they will turn into full size branches which are weakly attached and high susceptible to failure.

**Fruiting body**.....Reproductive structure of a fungus. The presence of certain species may indicate decay in a tree.

**Main leader**.....Primary terminal shoot or trunk of a tree. Large, usually upright stem. A stem that dominates a portion of the crown by suppression lateral branches.

**Scaffold branches**.....Permanent or structural branches that form the scaffold architecture or structure of a tree.

**Topped**.....A term describing a tree that has been severely and excessively pruned so that a major portion of the crown has been removed or cut back; topping is not an accepted arboriculture practice.

## Certification of Performance



Certified Treecare  
Safety Professional

I, Ralph Dobson, Project Manager and Certified Arborist for Monarch Tree Services certify that:

- ❖ I have personally inspected the trees and the property referred to in this report and have stated my findings accurately. The extent of the evaluation is stated in the attached report.
- ❖ The analysis, opinions, and conclusions stated herein are my own and are based on current scientific procedures and facts.
- ❖ My analysis, opinions, and conclusions were developed, and this report has been prepared according to commonly accepted arboriculture practices and standards set forth by the International Society of Arboriculture.
- ❖ No one provided significant professional assistance to me.

I further certify that I am a member in good standing of the International Society of Arboriculture, TCIA & the Pacific Northwest Chapter of Certified Arborist. I have been involved in the field of Horticulture and Arboriculture in a full-time capacity for more than 19 years.

#1



#2



#3



#4





#5



#6



#6





#7



#8





